

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the application of: **J. B. CONDON, et al.**

Serial No.: **To Be Assigned**

Filed: **Herewith**

Title: **METHOD AND SYSTEM FOR PROVIDING A HIGH QUALITY HALFTONED IMAGE**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT (IDS) UNDER 37 CFR 1.97**

Dear Sir:

Applicants submit herewith patents, publications or other information which they are aware, which they believe may be material to the patentability of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56.

While this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to herein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g) the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists.


The attached form, PTO-1449, provides a listing of patents, publications, or other information as required by 37 CFR 1.98(a)(1).

This Information Disclosure Statement is being submitted with only copies of non-U.S. patent publication(s) and non-patent literature. This protocol conforms with 37 CFR 1.98(a)(2)(i), which waives the requirement for submitting a copy of each cited U.S. Patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003.

Respectfully submitted,

November 26, 2003

By:



Michele Liu  
Sawyer Law Group LLP  
Attorney for Applicant(s)  
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FORM PTO-1449  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  <b>Sheet 1 of 2</b>  (Use several sheets if necessary)	ATTY. DOCKET NO. <b>BLD920030028US1</b>	SERIAL NO. <b>To Be Assigned</b>
APPLICANT: <b>J. B. CONDON, et al.</b>		
FILING DATE: <b>Herewith</b>		GROUP: <b>To Be Assigned</b>

REFERENCE DESIGNATION	U.S. PATENT DOCUMENTS
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EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPRO.)
		6 1 8 5 0 0 8	02-06-01	Shu et al.	358	1.9	10-29-99
		5 3 6 3 2 1 3	11-08-94	Coward et al.	358	455	06-08-92
		5 2 2 6 0 9 4	07-06-93	Eschbach	382	41	01-14-92
		5 2 0 8 8 7 1	05-04-93	Eschbach	382	41	01-14-92
		4 6 1 1 3 4 9	09-09-86	Hou	382	47	08-13-84
		6 3 5 6 6 7 0	03-12-02	Keithley et al.	382	300	02-23-99
		5 6 4 2 2 0 4	06-24-97	Wang	358	455	06-07-95
		6 4 3 8 2 7 4	08-20-02	Tokuyama et al.	382	298	12-16-98
		5 7 5 4 7 0 7	05-19-98	Knowlton	382	254	09-17-93
		5 7 3 7 4 5 3	04-07-98	Ostromoukhov	382	275	05-17-96
		5 5 2 1 9 8 7	05-28-96	Masaki	382	218	06-01-94
		5 1 4 0 4 3 2	08-18-92	Chan	358	298	09-12-90
		5 2 3 5 4 3 2	08-10-93	Creedon et al.	358	479	11-22-91

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

**OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)**

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EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line

Through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  <b>Sheet 2 of 2</b>  (Use several sheets if necessary)	ATTY. DOCKET NO. <b>BLD920030028US1</b>	SERIAL NO. <b>To Be Assigned</b>
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FOREIGN PATENT DOCUMENTS
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
		EP 0 859 507 A2	08-19-1998	EPO	H04N	1/405	X	
		DE 196 24 205 A1	06-18-1996	DEUTSCHLAND	H04N	1/405	X	
		EP 0 794 510 A2	10-09-1997	EPO	G06T	3/40	X	
		JP 11-331585 A	11-30-1999	JAPAN	H04N	1/405		X
		JP 6-180568 A	06-28-1994	JAPAN	G09G	5/00		X

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)
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		P. W. Wong, "Adaptive Error Diffusion and Its Application in Multiresolution Rendering," <i>IEEE TRANSACTIONS ON IMAGE PROCESSING</i> , VOL. 5, NO. 7, pp. 1184-1196 (July 1996)
		T. D. Kite, N.D.-Venkata, B. L. Evans, and A. C. Bovik, "A Fast, High-Quality Inverse Halftoning Algorithm for Error Diffused Halftones," <i>IEEE TRANSACTIONS ON IMAGE PROCESSING</i> , VOL. 9, NO. 9, pp. 1583-1592 (September 2000)
		T. Mitsa and K. J. Parker, "Digital Halftoning Using a Blue Noise Mask," (Electrical Engineering Department, University of Rochester, Rochester, NY 14627; <i>paper no. M9.25</i> ; pp. 2809-2812) CH2977-7/91/0000-2809 (1991-IEEE)
		M. Analoui and J. Allebach, "New results on reconstruction of continuous-tone from halftone," in <i>Proceedings of ICASSP</i> , (San Francisco, CA), pp.. II 313-316 (March 1992)

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